

# Recombinant human Mitochondrial peptide methionine sulfoxide reductase isoform a

Catalog No: #AP71591

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Package Size: #AP71591-1 20ug #AP71591-2 100ug #AP71591-3 1mg

## Description

Product Name	Recombinant human Mitochondrial peptide methionine sulfoxide reductase isoform a
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:24-235aaSequence Info:Full Length
Other Names	Peptide-methionine (S)-S-oxide reductase ;Peptide Met(O) reductaseProtein-methionine-S-oxide reductase ;PMSR
Accession No.	Q9UJ68
Uniprot	Q9UJ68
GeneID	4482;
Calculated MW	27.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	GNSASNIVSPQEALPGRKEQTPVAAKHVNGNRTVEPFPEGTQMAVFGMGRCFWGAERKFWVLKGVYSTQV GFAGGYTSNPTYKEVCSEKTGHAEVVRVYQPEHMSFEELLKVFWENHDPTQGMRRQNDHGTQYRSAIYPT SAKQMEAALSSKENYQKVLSEHGFGPITTDIREGQTFYYAEDYHQYLSKNPNGYCGLGGTGVSCPVGIIK
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Has an important function as a repair enzyme for proteins that have been inactivated by oxidation. Catalyzes the reversible oxidation-reduction of methionine sulfoxide in proteins to methionine.

## References

Gene structure, localization and role in oxidative stress of methionine sulfoxide reductase A (MSRA) in the monkey retina.Lee J.W., Gordiyenko N.V., Marchetti M., Tserentsoodol N., Sagher D., Alam S., Weissbach H., Kantorow M., Rodriguez I.R.Exp. Eye Res. 82:816-827(2006)Research Topic:Metabolism

Note: This product is for in vitro research use only